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DESCRIPTORS Annotated Bibliographies: *Books: Elementary Secondary Education: Higher Education: Instructional Materials: Mathematical Applications: *Mathematics Education: *Mathematics Instruction: *Mathematics Materials: *Resource Materials: Teacher Education: *Teaching Methods

ABSTRACT

Presented is a listing of books recommended by the Mathematical Association of the United Kingdom which focus on Teaching Methods and Mathematical Education. The following information on each book is provided: author: title: publisher: cost to the nearest pound: categories of use: and a code that indicates if the book in question is out of print, reprinted, and/or highly recommended. Brief annotations are provided with many of the entries. (MP)

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BOOKLISTS

For the Teaching of Mathematics
in Schools

TEACHING METHOD
and
MATHEMATICAL EDUCATION

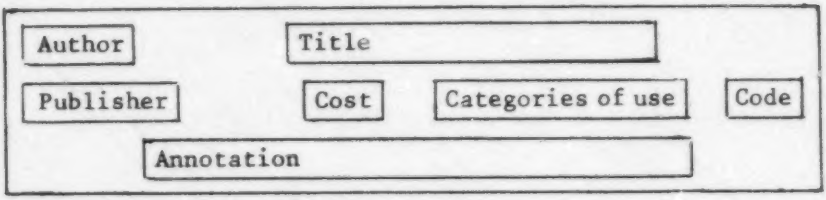
(REF: TME)

prepared by a sub-committee
of the Teaching Committee
of the
Mathematical Association

THE MATHEMATICAL ASSOCIATION
May 1980

SE 035 594

Information on each book is displayed in the following format:



Cost Given to the nearest £ above.

Code Symbols

* Highly recommended.

O Out of Print.

R Reprinting.

Categories of use

A Applications - to science, geography, economics.....
B Background and reference books for teachers.
C Content - mathematical topics (not above 1st year University level).
E Mathematical Education - eg. for 'Diploma' students.
J/K Primary school teachers (4-11 yrs)/and pupils.
L/M Lower secondary school teachers (11-16)/and pupils.
P/Q Practical and constructional work, books for teachers/pupils.
T Teaching method.
U/V Sixth-form teachers/and pupils.
Z Puzzles, problems, games and recreational mathematics.

Details of lists available are shown outside back cover.

PREFACE

The lists have been prepared by a sub-committee of Teaching Committee, and edited by F.R. Watson. A data-processing program written by Dr. K.H. Bennett (University of Keele) was used to extract the sublists and print them alphabetically.

Very many people have contributed to the production of these lists, in a variety of ways. In particular, thanks are due to the staff of the Education Library and of the Computer Centre, University of Keele, and to the members of the sub-committee, and many others who supplied information and comments.

It is intended to up-date the lists at fairly frequent intervals. We cannot hope to have avoided all errors and your suggestions are invited; they will help to improve the lists.

Comments on the lists, or notification of errors and omissions will be welcomed. Please address correspondence to the Secretary, Booklists Sub-committee, c/o Mathematical Association, 259 London Road, Leicester.

F.R.W.

May 1980

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ABLEWHITE, R.C. MATHEMATICS AND THE LESS ABLE.
HEINEMANN, 1969. ELT
+ (FOR NON-SPECIALISTS)

ADAMS, L.D. BACKGROUND TO PRIMARY SCHOOL MATHEMATICS
OUP 1953 JTE
+ (CONTAINS MANY EXAMPLES OF WHAT CHILDREN ACTUALLY SAY AND DO)

ADLER, I. THE NEW MATHEMATICS.
DOBSON, 1964. BELUV
+ (EARLY POPULAR APPROACH, CLEAR, BUT DATED)

ANDERSON, J. ALGEBRA
BLACKIE, 1978 ELTU
+ (SCHOOLS COUNCIL "CRITICAL REVIEW" PROJECT)

ASSISTANT MASTERS ASSOCIATION THE TEACHING OF MATHEMATICS IN SECONDARY SCHOOLS
CUP., 1973, 2ND. ED. 4 ELTU
+ (SURVEY OF MOST ASPECTS)

ATM MATHEMATICAL ACTIVITIES FROM POLAND
ATM,MARKET ST. CHAMBERS,NELSON,LANCS, 1 EJKPQT
BB9 7LN
+ (A PRIMARY PAMPHLET)

ATM PAMPHLETS (SEVERAL TITLES)
ATM,MARKET ST CHAMBERS,NELSON,LANCS, 1 EJKLMT *
BB9 7LN
+ (TITLES INCLUDE IDEAS FOR SLOW LEARNERS;NUMBERS EVERYWHERE;RODS, BLOCKS AND BALANCES;FILM AND FILMSTRIP LIST. DETAILS FROM ATM)

ATM MATHEMATICS FOR SIXTH-FORMERS
ATM,MARKET ST. CHAMBERS,NELSON,LANCS, 4 ETUV
BB9 7LN
+

ATM THE DEVELOPMENT OF MATHEMATICAL ACTIVITY IN CHILDREN.
ATM, MARKET ST. CHAMBERS, NELSON, LANCS. EJLTU *
+ (WRITTEN FOR I.C.M., MOSCOW 1966)

ATM EXAMINATIONS AND ASSESSMENT.
ATM, MARKET ST. CHAMBERS, NELSON, LANCS. EJLTU *
+

ATM NOTES ON MATHEMATICS FOR CHILDREN.
CUP., 1977 3 EJLT *
+ (G421, ANECDOTES AND EXPOSITIONS, PRIMARY, LOWER SECONDARY, PP. 233)

ATM MATHEMATICAL REFLECTIONS.
CUP. 2 BELTUV O
+ (ESSAYS IN MEMORY OF G. SILLITOE; FULL OF VARIED GEOMETRICAL IDEAS, PP. 244)

ATM NOTES ON MATHEMATICS IN PRIMARY SCHOOLS
CUP 1967 2 JLET *
+ (DESPITE ITS TITLE CONTAINS MANY IDEAS USEFUL IN EARLY SECONDARY YEARS)

AUCKLAND, K. AND OTHERS PRIMARY MATHEMATICS
GLOBE EDUCATION, 1977 4 EJT
+ (BRIEF NOTES ON TEACHING METHODS AND APPROACHES)

AVITAL, S.M. AND SHETTLEWORTH, S.J. OBJECTIVES FOR MATHEMATICS LEARNING.
ONTARIO INSTITUTE FOR STUDIES IN EDUCATION, 1968. EJLT *
+ (TAXONOMONY DERIVED FROM BLOOM, SAMPLE TEST ITEMS)

BAKER,L., WELLS, STEPHENS, FIELKER CHILDSPLAY MATHEMATICS
EVANS, 1975. 2 PQJBEZT *
+ (GAMES, OPEN SITUATIONS)

BANNELL, C. AND OTHERS STARTING POINTS FOR TEACHING MATHS IN MIDDLE AND SECONDARY SCHOOLS.
OUP.1972. EJLMPQTUVZ *O
+ (MIS 1,7 IDEAS FOR INVESTIGATIONS, LOWER SEONDARY)

BARNES, D. LANGUAGE, THE LEARNER AND THE SCHOOL.
PENGUIN, 1971, 2ND. ED. 1 EJLTU *
+ (LANGUAGE INTERACTION IN THE CLASSROOM - INCLUDES MATHEMATICS EXAMPLES)

BARON, M.E. NUMBER IN ELEMENTARY MATHEMATICS
HUTCHINSON EDUCATIONAL 4 EJLT
+

BASSANDALL, P.R.ET AL PROOF IN MATHEMATICS.
UNIVERSITY OF KEELE. INSTITUTE OF EDUCATION, 1978 1 ELUV *
+

BEARD, R. AN OUTLINE OF PIAGET'S DEVELOPMENTAL PSYCHOLOGY
ROUTLEDGE AND KEGAN PAUL E

BELL, A.W. AND OTHERS JOURNEY INTO MATHS.
BLACKIE, 1979. ELMT *
(THE S.NOTTINGHAMSHIRE PROJECT)

BELL, D. ET AL AREA, WEIGHT & VOLUME
NELSON, 1975 EJPT

BELL, HUGHES AND ROGERS AREA, WEIGHT AND VOLUME
NELSON, 1975 3 PJBET
(MONITORING AND ENCOURAGING CHILDREN'S CONCEPTUAL DEVELOPMENT)

BIGGS, E.E. AND MACLEAN, J.R. FREEDOM TO LEARN.
ADDISON-WESLEY, 1969. 9 EJLT
(ACTIVE LEARNING, CANADA)

BIGGS, E.E. AND MACLEAN, J.R. MATHEMATICS FOR OLDER CHILDREN.
MACMILLAN, 1972. JLT O
(MIS 1,7 OLDER JUNIORS; TEACHING METHOD AND RESEARCH)

BIRKHOFF, G.D. AND BEATLEY, R. BASIC GEOMETRY.
CHELSEA, 3RD EDITION, 1940. 5 LBT
(TRADITIONAL EUCLIDEAN GEOMETRY MADE RIGOROUS AND INTERESTING, PP 294)

BREARLEY, M. & HITCHFIELD, E. A TEACHERS' GUIDE TO READING PIAGET
ROUTLEDGE AND KEGAN PAUL E

BROOKES, B.C. NOTES ON THE TEACHING OF STATISTICS IN SCHOOLS.
HEINEMANN ED., 1952. LTU

BRYANT, P. PERCEPTION AND UNDERSTANDING IN YOUNG CHILDREN
METHUEN E

BURKHARDT, H. SEVEN SEVENS ARE FIFTY? - MATHEMATICS FOR THE REAL WORLD. INAUGURAL LECTURE.
SHELL CENTRE FOR MATHEMATICAL EDUCATION, UNIVERSITY OF NOTTINGHAM. ABLUE
+

CALVERT, M. FIRST SCHOOL MATHEMATICS
GINN, 1971 JE
+

CARTER, D.C.,ED. TOPICS IN MATHEMATICS: SOME IDEAS FOR THE SECONDARY CLASSROOM
BELL & HYMAN, 1979 4 BCELTU *
+ (FROM MATH. GAZETTE)

CARTER, D.C. AND WAIN, G.T., EDS. REFERENCES OF USE TO TEACHERS OF MATHEMATICS. VOL I AND SUPPLEMENT I .
CENTRE FOR STUDIES IN SCIENCE EDUCATION, U. OF LEEDS. 1975,1979. BEJLTU *
+ (COMPREHENSIVE, FROM JOURNALS)

CHAPMAN, L.R.,ED. THE PROCESS OF LEARNING MATHEMATICS.
PERGAMON,1972 8 BEJLTUV
+ (G399, MIS 2,1 COLLECTED B.ED. LECTURES, PP. 392)

CHOAT, E. CHILDREN'S ACQUISITION OF MATHEMATICS
NFER 1978 5 EJT
+

CHOAT, E.(ED.) PRE-SCHOOL AND PRIMARY MATHEMATICS
WARD LOCK, 1973 JET
+ (MIS 3,4)

COMBRIDGE J.T.,ED. COUNT ME IN.
THE QUEEN ANNE PRESS LTD., 1968. BEJLTUV
+ (ESSAYS, VARIOUS AUTHORS, NUMERACY IN EDUCATION AND WORK)

COMMITTEE ON THE UNDER-GRADUATE PROGRAM IN MATHEMATICS (MAA) A BASIC LIBRARY LIST FOR FOUR-YEAR COLLEGES
MATHEMATICAL ASSOCIATION OF AMERICA 4 BCEU
+ (NUCLEUS FOR LIBRARY HOLDINGS IN US COLLEGES)

COPELAND, R.W. HOW CHILDREN LEARN MATHEMATICS
MACMILLAN, 2ND EDN., 1974 ET
+ (TEACHING IMPLICATIONS OF PIAGET'S RESEARCH)

COURANT, R.& ROBBINS, H. WHAT IS MATHEMATICS?
OXFORD, 1941. 9 BCEU *
+ (READABLE INTRODUCTION TO IDEAS AND CONCEPTS AT UNDERGRADUATE LEVEL)

COXETER, H.S.& GREITZER,S.L. GEOMETRY REVISITED.
MATHEMATICAL ASSOCIATION OF AMERICA, 1967. 1+ ELMUV *
+ (G381, WIDE-RANGING AND FRESH, PP. 193)

CRAWFORD, D.H. THE FIFE MATHEMATICS PROJECT. AN EXPERIMENT IN INDIVIDUALISED LEARNING.
OUP, 1975. 2 ELT
+ (G411, MIS 5,1, MIXED ABILITY, PP. 146)

CROSSWHITE, F.J., ET AL. TEACHING MATHEMATICS. PSYCHOLOGICAL FOUNDATIONS
C.A.JONES, 1973. ET
+ (ESSAYS ON LEARNING/TEACHING - MAINLY U.S. AUTHORS)

DICKINSON, G.C. STATISTICAL MAPPING AND THE PRESENTATION OF STATISTICS
EDWARD ARNOLD,1963,1ST ED 2 U V B C E A
+ (A WIDE VARIETY OF GOOD AND BAD WAYS OF PRESENTING DATA

DIENES, Z.P. AN EXPERIMENTAL STUDY OF MATHEMATICS-LEARNING.
HUTCHINSON, 1963. ET
+

DIENES, Z.P. MATHEMATICS IN THE PRIMARY SCHOOL.
MACMILLAN, 1964. EJT O
+

DIENES, Z.P. BUILDING UP MATHEMATICS.
HUTCHINSON EDUCATIONAL 4TH ED. 1971. EJLT *
+ (INTRODUCTION TO DIENES' PHILOSOPY OF MATHEMATICS TCHG - INCLUDING MULTIBASE ARITHMETIC BLOCKS AND ALGEBRAIC EXPERIENCE MATERIALS)

DIENES, Z.P. MODERN MATHEMATICS FOR YOUNG CHILDREN.
E.S.A., 1965. JT
+

DIENES, Z.P. THE POWER OF MATHEMATICS.
HUTCHINSON. EJT
+

DIENES, Z.P.(TRS. SEABORNE) THE SIX STAGES IN THE PROCESS OF LEARNING MATHEMATICS.
NFER, 1973 1 BEJLTU
+ (G405,MIS3,4 THOUGHT PROVOKING,PP54)

DIENES, Z.P. AND JEEVES, M.A. — THINKING IN STRUCTURES.
HUTCHINSON. — ELUT
+ (SPECIALIST: RESEARCH REPORT)

DONCASTER L.E.A. — PRIMARY MATHEMATICS
GLODE — 4 — BEJT
+ (PRIMARY TEACHERS' GUIDE)

DUNCAN, A. — TEACHING MATHEMATICS TO SLOW LEARNERS
WARD LOCK 1978 — 4 — EJLT
+

EDSALL, D. — CALCULATORS HAVE COME.
MATHEMATICAL ASSOCIATION, 1976. — 1 — ELU
+ (IMPACT IN SCHOOLS;BECOMING OUT OF DATE)

EHRENBERG, A.S.C. — DATA REDUCTION.
WILEY, 1975. — 5 — ABTU
+ (UNUSUAL APPROACH TO BASIC STATISTICS BUT GOES QUITE FAR)

FLETCHER, H., HOWELL, A.H. AND WALKER, R. — MATHEMATICS FOR SCHOOLS: TEACHERS' RESOURCE BOOKS
ADDISON WESLEY 1970-79 — 4 — JLBET *
+ (LEVEL I (INFANTS) ONE VOL., LEVEL II (JUNIOR-MIDDLE) FIVE VOLS.)

FLETCHER, H. AND HOWELL, A. A. — MATHEMATICS WITH UNDERSTADING (2 VOLS).
PERGAMON, 1970. — 4,7 — BEJLT
+ (CONTENT AND APPROACH AT PRIMARY LEVEL)

FLETCHER, T.J.,ED. — SOME LESSONS IN MATHEMATICS.
CUP — 8 — BELTU *
+ (INDISPENSIBLE - ONE OF THE CLASSICS OF MODERN MATHEMATICS; CHAPTER 10 IS AN EXCELLENT ACCOUNT OF REFLECTION GEOMETRY)

FOGELMAN, K.R. — PIAGETIAN TESTS FOR THE PRIMARY SCHOOL.
NFER. — E
+

GLENN, J.A. — CHILDREN LEARNING GEOMETRY
HARPER & ROW, 1979 — 3 — JET *
+ (CLASSROOM ACTIVITIES ON SHAPE FOR 5-9 YEAR OLDS)

GOUTARD M. MATHEMATICS AND CHILDREN
EDUCATIONAL EXPLORERS 1964 J L T E
+

GREAT BRITAIN, SCHOOLS COUNCIL PRIMARY MATHEMATICS PROJECT — WHAT'S GOING ON IN PRIMARY MATHEMATICS.
SCHOOLS COUNCIL, 1974. EJL
+ (SURVEY)

GRIFFITHS H.B. AND HOWSON A.G. — MATHEMATICS: SOCIETY & CURRICULA.
CUP., 1974. BELU
+ (MIS 3,6;STANDARD REFERENCE; FORCES INFLUENCING CURRICULUM)

H.M. INSPECTORATE — MATHEMATICS, SCIENCE AND MODERN LANGUAGES ... AN APPRAISAL
DEPARTMENT OF EDUCATION AND SCIENCE, 1976 ETB
+

H.M. INSPECTORATE — MATHEMATICS 5-11: A HANDBOOK OF SUGGESTIONS
HMSO, 1979 3 JET
+ (SUGGESTED BASIC SYLLABUS WITH INDICATIONS OF TEACHING APPROACH, PP83)

HABER, A. AND RUNYON, R. P. — GENERAL STATISTICS
ADDISON-WESLEY 1973 L U V C E
+ (OPEN UNIVERSITY TEXTBOOK. COMPREHENSIVE ON APPLICATIONS. NOT HIGHLY MATHEMATICAL)

HALE, D. — NUMBER: SOME IDEAS FOR THE CLASSROOM.
UNIVERSITY OF NOTTINGHAM. SHELL CENTRE FOR MATHEMATICAL EDUCATION, 1975. EL
+

HALE, D. — SHAPE: SOME IDEAS FOR THE CLASSROOM.
UNIVERSITY OF NOTTINGHAM. SHELL CENTRE FOR MATHEMATICAL EDUCATION, 1975. EL
+

HALLERBERG, A. — HISTORICAL TOPICS FOR THE MATHEMATICS CLASSROOM, (31ST YEAR BOOK)
NCTM, 1969. BEHULTU
+ (RECOMMENDED, PP524)

HOGBEN, L. MAN MUST MEASURE
RATHBONE EB
◆

HOLLANDS, R. MATHS GAMES & ACTIVITIES
HART-DAVIS, 2ND EDN. 1977 2 JPT
◆

HOLT, J. HOW CHILDREN FAIL.
PITMAN, 1964. EJLT *
◆ (POLEMICAL;DIARY OF ATTEMPTS TO ANALYSE)

HOLT, M. AND DIENES, Z. LET'S PLAY MATHS.
PENGUIN, 1973. EJPT O
◆ (MIS 4,2, IDEAS FOR 70 GAMES WITH CHILDREN 4-11YRS)

CUP. 3 BEJLTU
◆ (G404 MIS 3,1,INCLUDES PAPERS BY PIAGET,FREUDENTHAL,THOM,PP318)

HUNTER, J. AND CUNDY, H.M. NUMBER
BLACKIE, 1978 ELTU
◆ (SCHOOLS COUNCIL "CRITICAL REVIEW" PROJECT)

JAMES & JAMES MATHEMATICS DICTIONARY.
VAN NOSTRAND, 4TH EDN., 1976. 14 BCE
◆ (G418, PP509)

KLEIN, F. ELEMENTARY MATHEMATICS FROM AN ADVANCED STANDPOINT VOLS 1,2.
DOVER, 1939. BCEHTU *O
◆ ("COMPULSORY READING FOR ANY SERIOUS 6 FORM TEACHER - STILL !" VOL 1 THE BETTER OF THE TWO - THE GEOMETRY IN VOL 2 IS HEAVIER GOING)

KLINE, M. MATHEMATICS IN THE MODERN WORLD.
FREEMAN, 1968. ABEHUV *
◆ (50 READINGS FROM SCIENTIFIC AMERICAN)

KLINE, M. WHY JOHNNY CAN'T ADD.
ST. JAMES PRESS, 1976. JE
◆ (A PERSONAL ATTACK ON THE "MODERN MATH" MOVEMENT IN THE USA)

KRUTETSKII, V.A — THE PSYCHOLOGY OF MATHEMATICAL ABILITIES IN SCHOOLCHILDREN
UNIVERSITY OF CHICAGO PRESS — 15 — E
+ (TRANSLATED FROM RUSSIAN, PP. 416)

LAKATOS, I — PROOFS AND REFUTATIONS: THE LOGIC OF MATHEMATICAL DISCOVERY
CUP, 1976 — EB
+ (G416 A COLLECTION OF PAPERS - INCLUDES HIS PAPER ON THE EULER POLYHEDRON THEOREM, FIRST PUBLISHED IN BJ PHIL. SCI.)

LAND, FRANK — THE LANGUAGE OF MATHEMATICS.
MURRAY, 1975. — 3 — ABEUMUV
+ (WRITTEN AT ELEMENTARY LEVEL FOR PRIMARY TEACHERS)

LINDSAY, R.J. — MATHEMATICS IN THE WORLD.
BLACKIE — ELTU
+ (SCHOOLS COUNCIL "CRITICAL REVIEW" PROJECT)

LOVELL, K — THE GROWTH OF UNDERSTANDING IN MATHEMATICS, GRADES K THRO' 3
HOLT, RINEHART, WINSTON, 1971 — 3 — EJ
+

LOVELL, K — THE GROWTH OF BASIC MATHEMATICAL AND SCIENTIFIC CONCEPTS IN CHILDREN
ULP, 5TH EDN., 1966 — EJL
+

LUMB, D. AND PAPENDICK, A. — MATHEMATICS 5 TO 9
MURRAY, 1978. — 3 — JBETP
+ (MATHS GUIDE)

MANCHESTER COLLEGE OF EDUCATION — NOTES ON GUIDELINES IN SCHOOL MATHEMATICS
HART-DAVIS, 1970 — ELT
+ (OVERVIEW OF THE 11-16 MATHEMATICS SYLLABUS)

MARJORAM, D.T.E — MODERN MATHEMATICS IN SECONDARY SCHOOLS — ET
+

MARJORAM, D.T.E. — TEACHING MATHEMATICS.
HEINEMANN, 1974. — 3 — ELTU
+ (G406, MIS 4,1, PP223)

MARSH, L.G — CHILDREN EXPLORE MATHEMATICS
BLACK, 3RD EDN., 1969 — E
+

MATHEMATICAL ASSOCIATION — REPORTS ON THE TEACHING OF....(VARIOUS TITLES)
BELL — BELTU *
+ (REPORTS ON GEOMETRY(1951),ARITHMETIC(1952,64),MECHANICS(1950,65), ANALYSIS(1970),A-LEVEL PROBABILITY AND STATISTICS(1975),11-16 1974),SIXTH-FORM NON-SPECIALISTS,ALGEBRA(1951,57),CALCULUS (1951),HIGHER GEOMETRY(1953),TRIGONOMETRY(1950) DESPITE THE CHANGES OF RECENT YEARS,THESE CONTAIN MUCH USEFUL MATERIAL DETAILS FROM M.A.,LEICESTER)

MATHEMATICAL ASSOCIATION — WHY,WHAT AND HOW?:SOME BASIC QUESTIONS FOR MATHEMATICS TEACHING
M.A.LEICESTER,1976 — EJLTU
+

MATHEMATICAL ASSOCIATION — A REVISED GUIDE TO MATHEMATICS PROJECTS IN BRITISH SECONDARY SCHOOLS
BELL,1976 — BELU
+ (AN EARLIER VERSION WAS PUBLISHED IN 1968)

MATHEMATICAL ASSOCIATION — PRIMARY MATHEMATICS: A FURTHER REPORT
BELL 1970 — JET
+ (FIRST PRIMARY REPORT WAS PUBLISHED 1955)

MATHEMATICS FOR THE MAJORITY PROJECT — GUIDES : COUNTING TO CALCULATING; GEOMETRY FOR ENJOYMENT; LUCK & JUDGEMENT; MACHINES, MECHANISMS AND MATHEMATICS; (AND OTHERS)
CHATTO AND WINDUS — LT
+ (GOOD SOURCE MATERIAL, BUT NEEDS ADAPTATION FOR LOW ABILITY PUPILS, THE PROJECT'S "TARGET AUDIENCE")

MATTHEWS, G (ED) — MATHEMATICS THROUGH SCHOOL
MURRAY, 1972 — BCEJLT
+ (MIS 1,7, LIVELY DESCRIPTIONS OF MATHEMATICS TEACHING AT VARIOUS LEVELS)

MAXWELL, D. 11 TO 13
BLACKIE ELT
+ (SCHOOLS COUNCIL "CRITICAL REVIEW" PROJECT)

MAXWELL, E.A. FALLACIES IN MATHEMATICS.
CUP, 1959. 5 BELUVZ
+

MAXWELL, J.C. MATTER AND MOTION.
DOVER, 1876. EH O
+

MCINTOSH, H.R TECHNIQUES AND PROBLEMS OF ASSESSMENT: A PRACTICAL HANDBOOK FOR TEACHERS
ARNOLD ET
+

MOISE, EDWIN ELEMENTARY GEOMETRY FROM AN ADVANCED STANDPOINT.
ADDISON-WESLEY, 1963. 13 BCEU
+ (SLOW CAREFUL ESTABLISHMENT OF THE FOUNDATIONS; 2ND YEAR UNIVERSITY LEVEL)

MOORE, W., WILLIAMS, M. ET AL NUFFIELD MATHEMATICS 2
LONGMANS, 1979 4 JPT *
+

MOORE, W., WILLIAMS, M. ET AL. NUFFIELD MATHEMATICS 1
LONGMANS, 1979 4 JPT *
+

MOSTELLER, F. AND OTHERS, EDS. STATISTICS BY EXAMPLE, (4 VOLS).
ADDISON-WESLEY, 1973. 4, BCEUV *
4,
4,4
+ (TITLES ARE DETECTING PATTERNS, EXPLORING DATA, FINDING MODELS, WEIGHING CHANCES; INTERESTING ANALYSES OF REAL LIFE SITUATIONS)

NATIONAL SOCIETY FOR THE STUDY OF EDUCATION MATHEMATICS EDUCATION (69TH YEARBOOK.)
UNIVERSITY OF CHICAGO PRESS, 1970. E *
+ (EDITED BY E.G. BEGLE)

NEILL, H. AND SHUARD, H.B. FROM GRAPHS TO CALCULUS
BLACKIE, 1978 4 ELTU
+ (SCHOOLS COUNCIL "CRITICAL REVIEW" PROJECT)

NEWMAN, J.R. THE WORLD OF MATHEMATICS. (4 VOLS.)
ALLEN & UNWIN, 1960. 3, BCEHLUV *
3,
3,3
+ (INDISPENABLE - A CLASSIC; SELECTIONS FROM A WIDE RANGE OF ORIGINAL SOURCES, WITH HISTORICAL COMMENTARY; VOL II OUT OF PRINT)

NORMAC (NORTHERN MATHEMATICS COUNCIL) (VARIOUS; 8 DIFFERENT TITLES)
NORMAC (B. S. PINFIELD, MANCHESTER EDUCATION COMMITTEE) 1 JLBTZ
+ (MIS 7,3, MT 89, PRIMARY BOOKS FOR REFERENCE, PP.40 EACH. TITLES ARE RECEPTION, NUMBER 678, NUMBER FUN, NUMBER PATTERNS, INTRODUCTION TO MEASUREMENT FOR INFANTS, BRICKS BOXES AND CONTAINERS, POLYGONS AND POLYHEDRA, GEOBOARDS AND COORDINATES PRICE 30P OR 40P)

NORTHROP, E. P. RIDDLES IN MATHEMATICS.
PENGUIN. 1 BLMTUVZ *
+ (GOOD REFERENCE BOOK FOR PARADOXES; EXCELLENT DISCUSSION OF "EVERY TRIANGLE IS ISOSCELES")

NOTTINGHAM UNIVERSITY, SHELL CENTRE FOR MATHEMATICAL EDUCATION BASIC SKILLS IN MATHS FOR ENGINEERING.
NOTTINGHAM UNIVERSITY, 1977 1 ABELMU *
+ (G418. MATHEMATICS REQUIREMENTS OF CRAFT APPRENTICES, WITH DETAILED EXAMPLES OF USE. FOR EITB)

NUFFIELD/BRITISH COUNCIL MATHEMATICS : FROM PRIMARY TO SECONDARY
CHAMBERS/MURRAY/WILEY, 1978 3 JLETBP
+ (CONDENSED VERSION OF NUFFIELD GUIDES, COVERING THE 10-13 YEAR OLDS)

NUFFIELD FOUNDATION CEDO MATHEMATICS: THE FIRST THREE YEARS.
CHAMBERS AND MURRAY, 1970. BJPT
+ (CONDENSED VERSION OF NUFFIELD GUIDE)

NUFFIELD FOUNDATION CEDO MATHEMATICS: THE LATER PRIMARY YEARS.
CHAMBERS, MURRAY AND WILEY, 1972, JET
+ (MIS 2,4, CONDENSED VERSION OF NUFFIELD GUIDE, PP 177)

PAPY, G. MODERN MATHEMATICS. VOLS I-VI
COLLIER-MACMILLAN. 3 UMTVB
+ (OF INTEREST TO SEE HOW ANOTHER COUNTRY DOES IT DIFFERENTLY; INTENDED FOR PUPILS THOUGH MANY WOULD FIND IT TAXING. A MODERN COURSE IN THE SPIRIT OF BOURBAKI)

PIAGET, J. THE CHILD'S CONCEPTION OF NUMBER
ROUTLEDGE 1952 JTE
+

PIAGET, J. AND INHELDER, A. THE CHILD'S CONCEPTION OF SPACE
ROUTLEDGE 1956 JTE
+

PIAGET, J. AND INHELDER, B. GROWTH OF LOGICAL THINKING FROM CHILDHOOD TO ADOLESCENCE
ROUTLEDGE 1958 JTE
+

PIAGET, J. INHELDER, B. AND SZOMINSKA, A. THE CHILD'S CONCEPTION OF GEOMETRY
ROUTLEDGE 1960 JTE
+

POLYA, G. MATHEMATICAL DISCOVERY; ON UNDERSTANDING, LEARNING AND TEACHING PROBLEM SOLVING VOL I AND VOL 2.
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